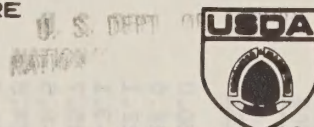


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United States Cotton Quality Report For Ginnings 1970 Crop

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CATALOGING - PREL

Upland cotton ginned in the United States from the 1970 crop contained the same record-low proportion of Middling and higher White grades as a year earlier, according to the Department of Agriculture, Consumer and Marketing Service. Fifteen percent of total ginnings was in these higher grades. This season's ginnings contained much higher percentages of 15/16" and 1-1/16" staples than a year ago and a much lower percentage of 1-3/32" cotton. Nearly 84 percent of total ginnings was in the premium 3.5 to 4.9 mike range, the highest percentage for any crop on record. American Pima cotton ginned this season averaged slightly higher in grade and longer in staple than last season. Cotton ginned from the 1970 crop totaled 10,116,000 bales compared with 9,937,000 bales from the 1969 crop.

Grades. Ginnings of Middling and higher White grades totaled nearly 1.5 million bales, or 15 percent of the 1970 upland crop. This is the same as last year's record-low percentage in these higher grades. Strict Low Middling Plus and lower White grades comprised 54 percent of this season's ginnings, also the same as a year ago. The Light Spotted grades accounted for 28 percent of total ginnings up slightly from a year earlier and the largest proportion since the 1967-68 season. The grade index of the 1970 upland crop was 91.5 (Middling White equals 100) against 91.0 a year ago.

Staples. The 1970 upland crop contained 6.6 million bales of cotton stapling 1-1/16" and longer. Cotton stapling 1-3/32" accounted for 20 percent of the total, down from last season's record-high of 29 percent. The 1-1/16" staple comprised 38 percent of total ginnings, the largest percentage since the 1960 crop. The lengths one inch and 1-1/32", combined, accounted for 15 percent of ginnings, against 16 percent a year earlier. The staples shorter than one inch were equivalent to 20 percent of this season's ginnings. This is the largest percentage of these shorter staples since the 1967 crop and compares with 17 percent last season. The average staple of the 1970 crop was 33.4 thirty-seconds inches against 33.5 thirty-seconds for the 1969 crop.

Upland supply. This season's supply of upland cotton (August 1, 1970 carry-over plus 1970 ginnings) totaled 15.7 million bales compared with 16.2 million bales in the previous season. Supplies of Low Middling Plus and higher White grades were much smaller than a year ago with Strict Low Middling down nearly 0.5 million bales. The supply of Low Middling cotton was up by about the same amount. An increase of 0.4 million bales in this season's supplies of Light Spotted cotton was accompanied by a 0.4 million-bale-decrease in supplies of Spotted and Tinged cotton. The staple pattern of this season's supply indicates a sharp increase in cotton stapling 1-1/16" - 1.3 million bales - and a moderate increase of 0.2 million bales in 15/16" cotton. Supplies of most other staples were down from a year ago. The largest decrease was in the 1-3/32" staple, which was down 1.0 million bales.

Table 1. Upland cotton in the United States, ginnings and supply,
by staple groupings, 1966-1970

Season beginning August 1	Shorter than 1 inch		1 inch and 1-1/32 inches		1-1/16 inches and 1-3/32 inches		1-1/8 inches and longer		All staple lengths
	Quantity	Percent of total	Quantity	Percent of total	Quantity	Percent of total	Quantity	Percent of total	
	1,000 bales	Percent	1,000 bales	Percent	1,000 bales	Percent	1,000 bales	Percent	1,000 bales
Ginnings									
1966	2,556	27	1,642	17	4,889	52	404	4	9,491
1967	1,705	23	1,109	15	3,807	52	749	10	7,370
1968	1,635	15	1,707	16	5,676	52	1,820	17	10,838
1969	1,684	17	1,590	16	5,893	60	693	7	9,860
1970 1/	1,970	20	1,528	15	5,831	58	731	7	10,060
Supply									
1966	8,488	33	7,433	28	9,372	36	763	3	26,056
1967	6,626	34	5,353	27	6,551	33	1,111	6	19,641
1968	3,824	22	3,348	20	7,681	45	2,232	13	17,085
1969	2,506	15	2,871	18	9,210	57	1,620	10	16,207
1970 1/	2,298	15	2,529	16	9,574	61	1,294	8	15,695

1/ Preliminary.

Table 2. Upland cotton in the United States, ginnings and supply, by grade 1/

Grade	Code	After January 15			Total crop			Supply			Change in Supply			
		Bales	Bales	Pct.	Pct.	Bales	Pct.	Bales	Pct.	1,000 bales	1,000 bales	1970 from 1969		
													1969	1970
<u>White</u>														
G.M.	(11)	-	-	-	-	75	119	*	*	2	1	*	*	-50.0
S.M.	(21)	25	-	*	-	53,699	47,198	0.5	0.5	174	152	1.1	1.0	-12.6
M.+	(30)	-	-	-	-	1,136	589	*	*	68	53	0.4	0.3	-22.1
M.	(31)	497	382	0.4	0.7	1,415,238	1,430,630	14.4	14.2	2,585	2,505	16.0	16.0	-3.1
S.L.M.+	(40)	45	40	*	0.1	167,985	77,773	1.7	0.8	591	439	3.6	2.8	-25.7
S.L.M.	(41)	8,329	3,365	7.1	6.0	3,737,999	3,421,326	38.0	34.0	5,508	5,039	34.2	32.0	-8.5
L.M.+	(50)	732	79	0.6	0.1	170,544	105,650	1.7	1.1	439	330	2.7	2.1	-24.4
L.M.	(51)	11,344	13,154	9.7	23.3	1,049,784	1,557,733	10.6	15.4	1,510	1,985	9.3	12.6	+31.5
S.G.O.+	(60)	135	173	0.1	0.3	13,964	8,023	0.1	0.1	32	24	0.2	0.2	-25.0
S.G.O.	(61)	6,549	9,971	5.6	17.7	155,879	188,234	1.6	1.9	241	249	1.5	1.6	+3.3
G.O.+	(70)	4	55	*	0.1	567	218	*	*	2	1	*	*	-50.0
G.O.	(71)	4,668	2,264	4.0	4.0	30,806	19,473	0.3	0.2	40	28	0.2	0.2	-30.0
<u>Light Spotted</u>														
G.M.	(12)	-	-	-	-	16	11	*	*	1	**	*	*	-100.0
S.M.	(22)	-	-	-	-	5,830	5,009	0.1	*	41	71	0.3	0.5	+73.2
M.	(32)	1,437	837	1.2	1.5	498,239	875,235	5.1	8.7	1,150	1,451	7.1	9.2	+26.2
S.L.M.	(42)	25,332	4,684	21.7	8.3	1,369,972	1,400,254	13.9	13.9	1,982	2,058	12.2	13.1	+3.8
L.M.	(52)	23,966	7,041	20.5	12.5	537,562	501,903	5.5	5.0	692	658	4.3	4.2	-4.9
<u>Spotted</u>														
G.M.	(13)	-	-	-	-	-	-	-	-	1	-	*	-	-100.0
S.M.	(23)	18	-	*	-	460	1,191	*	*	24	10	0.1	0.1	-58.3
M.	(33)	591	320	0.5	0.6	28,202	101,618	0.3	1.0	200	137	1.2	0.9	-31.5
S.L.M.	(43)	8,110	1,618	6.9	2.9	170,331	141,144	1.7	1.4	303	216	1.9	1.4	-28.7
L.M.	(53)	9,283	3,426	7.9	6.1	171,521	69,048	1.7	0.7	217	94	1.3	0.6	-56.7
Tinged 2/ (14-54)	3,001	752	752	2.5	1.3	131,558	20,219	1.3	0.2	206	58	1.2	0.4	-71.8
Stained 2/ (15-35)	8	-	-	*	-	114	265	*	*	2	5	*	*	+150.0
<u>Light Gray</u>														
G.M.	(16)	-	-	-	-	-	68	-	*	-	**	-	*	-
S.M.	(26)	10	5	*	*	3,211	6,030	*	0.1	4	7	*	*	+75.0
M.	(36)	305	693	0.3	1.2	16,790	22,553	0.2	0.2	28	37	0.2	0.2	+32.1
S.L.M.	(46)	198	1,658	0.2	2.9	8,413	8,141	0.1	0.1	13	9	0.1	0.1	-30.8
<u>Gray</u>														
G.M.	(17)	-	-	-	-	-	-	-	-	-	-	-	-	-
S.M.	(27)	-	9	-	*	37	36	*	*	**	**	*	*	-
M.	(37)	47	85	*	0.2	1,048	1,060	*	*	2	1	*	*	-50.0
S.L.M.	(47)	15	105	*	0.2	1,913	878	*	*	4	1	*	*	-75.0
Below Grade 3/	12,689	5,621	10.8	10.0	10.0	117,337	48,559	1.2	0.5	145	76	0.9	0.5	-47.6
All grades	117,338	56,337	100.0	100.0	100.0	9,860,230	10,060,188	100.0	100.0	16,207	15,695	100.0	100.0	-3.2

1/ Data for 1969 season revised, current season preliminary.

2/ Includes all grades.

3/ Bales that are lower in grade than the lowest official standard for the corresponding color group.

* Less than 0.05 percent. ** Less than 500 bales.

Table 3. Upland cotton in the United States, ginnings and supply, by staple 1/

Staple	Code	After January 15				Total crop				Supply				Change in Supply	
		1969		1970		1969		1970		1969		1970		1970 from 1969	
		Bales	Pct.	Bales	Pct.	Bales	Pct.	Bales	Pct.	1,000 bales	Pct.	1,000 bales	Pct.	1,000 bales	Pct.
13/16	(26)	811	0.7	39	0.1	7,461	0.1	1,814	*	8	*	4	*	-4	-50.0
& shorter		3,912	3.3	296	0.5	133,087	1.3	35,827	0.4	149	0.9	50	0.3	-99	-66.4
7/8"	(28)	15,674	13.4	817	1.5	416,120	4.2	350,376	3.5	474	2.9	394	2.5	-80	-16.9
29/32"	(29)	30,631	26.1	2,592	4.6	628,888	6.4	1,020,687	10.1	972	6.0	1,176	7.5	+204	+21.0
15/16"	(30)	17,055	14.5	1,410	2.5	498,853	5.1	561,429	5.6	903	5.6	674	4.3	-229	-25.4
31/32"	(31)	19,554	16.7	5,279	9.4	552,404	5.6	499,650	5.0	1,061	6.5	756	4.8	-305	-28.7
1"	(32)	16,166	13.8	15,436	27.4	1,037,337	10.5	1,028,758	10.2	1,810	11.2	1,773	11.3	-37	-2.0
1-1/32"	(33)	9,566	8.2	24,401	43.2	3,047,406	31.0	3,833,774	38.2	4,851	30.0	6,172	39.4	+1,321	+27.2
1-1/16"	(34)	2,381	2.0	5,385	9.6	2,846,049	28.9	1,996,425	19.8	4,359	27.0	3,402	21.7	-957	-22.0
1-3/32"	(35)	751	0.6	288	0.5	527,117	5.3	615,748	6.1	1,167	7.2	974	6.2	-193	-16.5
1-1/8"	(36)	76	0.1	58	0.1	151,003	1.5	102,440	1.0	409	2.5	274	1.7	-135	-33.0
1-5/32"	(37)	63	0.1	168	0.3	12,894	0.1	7,503	0.1	38	0.2	36	0.2	-2	-5.3
1-3/16"	(38)	42	*	9	*	210	*	62	*	1	*	**	*	-1	-100.0
1-7/32"	(39)	656	0.5	159	0.3	1,401	*	5,695	*	5	*	10	0.1	+5	+100.0
1-1/4"	(40)														
& longer															
All staples		117,338	100.0	56,337	100.0	9,860,230	100.0	10,060,188	100.0	16,207	100.0	15,695	100.0	-512	-3.2

1/ Data for 1969 season revised, current season preliminary.

* Less than 0.05 percent.

** Less than 500 bales.

Table 4. Specified measures of quality for upland ginnings 1/

Item	After January 15		Total crop		Supply	
	1969		1969		1969	
	1969	1970	1969	1970	1969	1970
Grade index (Mid. White=100)	80.7	80.1	91.0	91.5	91.9	92.1
Average staple, 32nd. inch	31.2	33.3	33.5	33.4	33.6	33.6
Rough preparation, percent	*	0.1	*	*	-	-
Tenderable, percent 2/	12.3	24.1	55.9	62.9	-	-
Average mike reading	3.9	4.0	4.4	4.3	-	-
Average fiber strength (Mpsi)	81.6	-	86.1	85.6	-	-

1/ Data for 1969 season revised, current season preliminary.

2/ Tenderable for grade, staple and mike in settlement of futures contracts.

* Less than 0.05 percent.

Table 5. Percentage distribution of micronaire readings for upland ginnings this season and last season, by states 1/

State	2.6 and below		2.7-2.9		3.0-3.2		3.3-3.4		3.5-3.9		4.0-4.4		4.5-4.9		5.0-5.2		5.3 and above		Totals				Average mike			
	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	Below 3.5	3.5-4.9	5.0 and above	1969	1970			
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Rdg.	Rdg.		
N. C.	*	-	0.3	0.1	1.4	1.6	2.4	3.6	21.5	27.0	51.1	43.5	20.8	21.0	2.2	2.7	0.3	0.5	4.1	5.3	93.4	91.5	2.5	3.2	4.2	4.1
S. C.	*	*	0.6	0.1	2.1	0.5	2.2	0.6	13.1	5.1	35.4	26.6	37.2	47.9	7.6	15.5	1.8	3.7	4.9	1.2	85.7	79.6	9.4	19.2	4.4	4.6
Ga.	*	-	0.2	*	0.7	0.4	0.7	0.7	4.6	6.8	23.1	39.5	40.2	42.6	19.5	8.4	11.0	1.6	1.6	1.1	67.9	88.9	30.5	10.0	4.7	4.5
Fla.	-	-	0.1	-	1.6	0.6	2.1	1.2	24.2	3.8	47.5	41.5	19.1	47.3	3.7	5.2	1.7	0.4	3.8	1.8	90.8	92.6	5.4	5.6	4.2	4.5
Ala.	*	-	*	*	0.4	0.1	0.6	0.5	6.1	8.4	29.4	42.4	45.0	40.3	15.3	7.3	3.2	1.0	1.0	0.6	80.5	91.1	18.5	8.3	4.6	4.4
Miss.	0.1	*	0.6	0.2	1.2	1.1	0.9	1.2	3.7	10.2	17.3	40.5	46.6	37.2	22.7	7.8	6.9	1.8	2.8	2.5	67.6	87.9	29.6	9.6	4.7	4.4
Tenn.	*	*	*	*	0.4	0.1	0.7	0.2	7.9	5.7	27.5	32.0	43.1	48.2	14.9	11.3	5.5	2.5	1.1	0.3	78.5	85.9	20.4	13.8	4.6	4.6
Mo.	*	-	*	*	0.5	0.2	0.9	0.3	7.2	5.9	25.6	31.5	38.0	48.1	17.9	12.0	9.9	2.0	1.4	0.5	70.8	85.5	27.8	14.0	4.6	4.5
Ark.	*	*	0.6	0.2	1.6	1.3	1.2	1.4	5.1	8.1	16.6	30.5	42.1	43.3	23.9	12.5	8.9	2.7	3.4	2.9	63.8	81.9	32.8	15.2	4.7	4.5
Ia.	0.1	*	0.8	0.2	2.2	1.2	1.5	1.6	4.9	12.2	15.6	41.3	48.1	34.6	21.3	7.5	5.5	1.4	4.6	3.0	68.6	88.1	26.8	8.9	4.6	4.4
Okla.	0.6	*	1.5	0.4	3.3	1.4	3.0	1.4	14.5	10.1	31.9	32.4	34.3	41.8	9.2	11.0	1.7	1.5	8.4	3.2	80.7	84.3	10.9	12.5	4.3	4.5
Tex.	2.2	0.9	3.5	2.5	6.7	6.1	5.2	5.4	21.1	19.9	35.3	29.9	21.2	26.2	3.7	7.4	1.1	1.7	17.6	14.9	77.6	76.0	4.8	9.1	4.0	4.2
N. M.	0.3	3.0	2.2	8.0	6.0	11.8	6.6	9.8	32.2	39.2	45.9	25.7	6.7	2.5	0.1	*	*	-	15.1	32.6	84.8	67.4	0.1	*	3.9	3.6
Ariz.	0.8	0.5	2.6	2.0	4.0	3.9	2.5	3.2	11.9	12.2	33.6	29.5	38.3	38.1	5.9	9.5	0.4	1.1	9.9	9.6	83.8	79.8	6.3	10.6	4.3	4.3
Nev.	1.2	-	2.4	-	13.4	-	13.2	-	40.1	-	28.3	-	1.4	-	-	-	-	-	30.2	-	69.8	-	-	-	3.7	-
Calif	*	0.1	0.4	1.1	1.3	2.6	1.2	2.1	7.0	19.1	38.7	50.1	48.9	24.6	2.5	0.3	*	*	2.9	5.9	94.6	93.8	2.5	0.3	4.4	4.2
Other	-	0.2	-	0.8	0.8	8.3	1.1	9.4	22.1	39.4	47.9	32.2	23.8	7.9	4.0	1.5	0.3	0.3	1.9	18.7	93.8	79.5	4.3	1.8	4.2	3.9
U. S.	0.8	0.3	1.5	1.1	3.0	2.9	2.5	2.8	11.3	14.3	29.0	35.8	36.6	33.5	11.5	7.6	3.8	1.7	7.8	7.1	76.9	83.6	15.3	9.3	4.4	4.3

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 6. Percentage distribution of fiber strength for upland cotton ginnings, this season and last season, by states 1/

State	Zero Gage Fiber Strength (MPSI)																		Average strength	
	64 & below		65-69		70-74		75-79		80-84		85-89		90-94		95-99		100 & above			
	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970		
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Mpsi	Mpsi	
N. C.	-	-	0.3	*	4.3	4.1	29.0	33.6	43.5	43.6	18.0	15.5	4.5	2.5	0.4	0.7	*	*	81.5	81.1
S. C.	-	-	0.1	0.1	6.2	2.9	32.9	21.8	39.2	44.2	16.6	26.1	4.1	4.6	0.9	0.3	*	-	81.1	82.4
Ga.	-	-	0.1	0.1	2.8	2.5	22.9	15.4	42.3	38.1	24.8	31.4	5.9	10.8	1.1	1.6	0.1	0.1	82.6	83.9
Ala.	-	-	*	0.1	3.7	4.1	21.8	30.1	40.0	46.4	26.0	17.1	7.1	2.2	1.3	*	0.1	-	82.8	81.2
Miss.	-	-	0.1	*	1.4	1.8	14.7	23.4	41.4	52.9	34.4	19.6	7.0	2.1	1.0	0.2	*	-	83.7	81.8
Tenn.	-	-	-	-	1.2	1.5	18.2	22.3	39.1	52.9	30.9	21.8	9.7	1.3	0.9	0.2	-	*	83.6	82.0
Mo.	*	0.1	0.1	*	0.5	2.3	13.6	30.7	46.1	50.3	32.6	14.9	6.3	1.4	0.8	0.2	*	0.1	83.6	81.1
Ark.	-	-	-	*	1.1	1.5	16.2	24.2	45.5	49.6	28.8	19.7	7.3	4.5	1.0	0.4	0.1	0.1	83.5	82.2
Ia.	-	*	-	0.3	0.7	3.4	12.1	24.3	41.4	44.8	35.4	22.6	9.4	4.1	1.0	0.5	*	*	84.2	82.0
Okla.	0.1	-	1.2	-	15.6	0.6	33.3	5.9	25.3	33.0	16.4	36.9	6.3	17.0	1.2	6.0	0.6	0.6	80.3	86.1
Tex.	*	*	1.2	*	4.6	1.3	13.2	9.4	25.7	26.3	31.2	35.8	16.2	20.2	5.6	5.2	2.3	1.8	85.2	86.3
N. Mex.	*	-	0.1	-	0.7	0.8	2.3	2.8	8.3	5.4	24.3	14.6	37.9	34.1	20.4	28.4	6.0	13.9	91.2	93.1
Ariz.	*	*	*	-	0.2	0.3	9.4	8.5	44.0	42.4	35.8	40.0	7.1	7.1	2.7	1.1	0.8	0.6	84.6	84.5
Calif.	-	-	-	-	*	-	0.5	*	3.5	1.9	5.5	5.6	8.8	11.9	29.5	32.1	52.2	48.5	98.8	98.6
U. S.	*	*	0.3	*	2.7	1.6	13.6	15.6	31.7	35.2	27.0	24.8	10.2	10.4	6.5	6.0	8.0	6.4	86.1	85.6

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 7. Percentage distribution of the grade of upland cotton ginned this season and last season, by states 1/

State	White														Light Spotted								Other colored		Below Grade		Grade index 2/			
	SM (21) & higher		M+ (30)		M (31)		SLM+ (40)		SLM (41)		LM+ (50)		LM (51)		SGO+ (60) & lower		SM (22) & higher		M (32)		SLM (42)								LM (52)	
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	
	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970
N. C.	Pct. 0.3	Pct. -	Pct. -	Pct. -	Pct. 4.1	Pct. 6.1	Pct. 0.2	Pct. 0.7	Pct. 34.9	Pct. 34.9	Pct. 5.7	Pct. 4.6	Pct. 28.7	Pct. 33.2	Pct. 5.6	Pct. 10.9	Pct. *	Pct. -	Pct. 1.0	Pct. 0.4	Pct. 10.2	Pct. 3.3	Pct. 6.3	Pct. 2.8	Pct. 2.7	Pct. 2.3	Pct. 0.6	Pct. 0.5	88.5	88.4
S. C.	0.2	0.4	-	*	5.3	6.1	0.1	0.2	25.2	25.8	0.8	1.9	19.6	20.3	4.2	5.6	0.1	0.1	3.5	3.3	17.6	16.4	15.6	13.9	6.3	4.6	1.5	1.4	87.3	87.6
Ga.	0.3	0.4	*	*	3.3	2.6	0.2	0.2	20.1	25.6	1.0	1.3	15.4	21.0	2.3	3.9	*	0.1	1.5	2.0	23.9	19.4	18.4	15.4	11.2	5.3	2.4	2.8	86.1	86.7
Fla.	0.1	-	-	-	4.3	2.0	-	-	30.6	20.3	0.2	0.7	15.7	19.1	1.4	3.0	0.1	-	6.5	2.0	22.6	21.9	7.9	24.4	9.0	4.9	1.6	1.7	89.0	86.0
Ala.	0.7	1.2	-	*	8.5	11.0	0.3	0.7	39.5	27.7	0.9	1.1	10.1	16.5	1.4	2.7	0.3	0.3	7.2	5.9	20.8	19.8	6.4	8.9	3.4	3.7	0.5	0.5	91.1	90.1
Miss.	1.3	0.9	*	*	13.0	5.2	0.4	0.2	53.8	41.3	1.0	0.7	15.1	34.3	1.8	4.0	0.1	*	2.4	1.5	7.8	7.9	2.4	3.1	0.6	0.6	0.3	0.3	92.4	89.6
Tenn.	2.1	0.7	*	*	18.4	9.3	0.9	0.5	45.2	43.9	1.4	1.5	12.4	14.1	1.6	1.4	*	*	6.1	6.6	8.5	15.7	2.7	4.7	0.6	1.5	0.1	0.1	93.1	91.6
Mo.	0.3	0.1	-	-	10.6	4.7	0.2	0.1	58.6	44.5	2.0	0.9	5.5	14.2	0.5	0.8	0.1	0.1	6.2	8.2	13.8	21.9	1.3	2.8	0.9	1.5	*	0.2	93.2	91.4
Ark.	0.3	0.2	*	-	11.8	3.9	0.6	0.1	56.6	48.1	4.1	1.5	13.9	30.0	1.7	3.1	*	*	2.1	1.4	7.0	8.0	1.5	2.6	0.3	0.9	0.1	0.2	92.5	90.1
Ia.	0.9	0.2	*	-	26.7	8.2	0.9	0.1	50.4	52.8	1.8	1.1	6.1	18.2	0.8	1.3	0.1	*	5.0	2.9	5.1	11.5	0.7	2.4	1.4	1.2	0.1	0.1	94.7	91.6
Okla.	-	*	*	*	6.2	6.3	0.4	0.2	24.6	19.6	0.7	0.5	7.5	4.8	0.9	0.7	0.1	*	20.3	22.0	28.2	34.5	5.4	4.4	5.3	6.7	0.4	0.3	91.3	91.6
Tex.	0.3	0.1	*	*	5.8	7.8	0.6	0.4	17.5	25.1	1.0	1.0	9.3	6.2	2.3	0.9	0.1	*	7.8	20.0	26.7	22.5	11.1	7.4	14.6	8.0	2.9	0.6	87.0	91.3
N. M.	2.2	2.1	0.1	0.1	27.7	39.7	4.5	5.8	39.3	25.0	1.9	0.8	6.4	1.4	1.3	0.4	0.2	0.1	4.7	9.0	5.1	6.4	1.5	2.1	4.1	6.2	1.0	0.9	93.7	95.3
Ariz.	0.3	0.6	*	*	29.1	49.6	2.9	0.8	39.1	28.3	1.3	0.2	8.0	2.2	4.1	1.2	0.1	0.1	6.9	8.8	4.3	4.2	1.3	2.4	0.8	0.8	1.8	0.8	93.4	96.0
Nev.	5.0	-	-	-	58.6	-	9.4	-	25.2	-	0.9	-	0.2	-	-	-	-	-	0.2	-	0.3	-	0.2	-	-	-	-	-	98.2	-
Calif.	0.1	0.8	*	*	31.2	50.2	7.8	3.3	44.7	33.8	2.5	1.0	7.3	4.2	2.1	1.2	*	*	0.5	1.3	1.7	2.2	1.2	0.8	0.6	1.0	0.3	0.2	94.6	96.3
Other	1.2	4.3	-	-	17.0	42.8	0.9	0.8	52.8	21.1	5.6	0.3	9.3	12.3	2.3	7.5	0.3	-	3.9	4.2	3.9	3.8	0.8	0.9	1.4	1.9	0.6	0.1	93.3	94.2

1/ Data for 1969 season revised, current season preliminary.

2/ Middling White equals 100.

* Less than 0.05 percent.

Table 8. Percentage distribution of the staple of upland cotton ginned this season and last season, and total ginnings, by states 1/

State	7/8" (28) & shorter	29/32" (29)		15/16" (30)		31/32" (31)		1" (32)		1-1/32" (33)		1-1/16" (34)		1-3/32" (35)		1-1/8" (36)		1-5/32" (37)		1-3/16" (38) & longer		Average staple 2/		Total upland ginnings		
		1969 1970		1969 1970		1969 1970		1969 1970		1969 1970		1969 1970		1969 1970		1969 1970		1969 1970		1969 1970		1969 1970		1969 1970		
		Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Bales	Bales		
N. C.	-	-	-	-	-	*	-	0.1	0.1	3.8	14.6	69.3	79.1	26.2	5.9	0.6	0.3	*	-	-	-	34.2	33.9	105,919	161,861	
S. C.	-	-	-	-	*	*	0.1	0.4	1.3	6.3	14.9	48.5	59.5	35.7	22.7	8.7	1.5	0.4	*	-	-	34.5	34.1	210,563	215,600	
Ga.	*	*	*	0.3	0.3	0.9	1.3	5.6	9.5	38.0	49.7	48.7	33.9	6.3	5.2	0.2	0.1	-	-	-	-	33.5	33.3	277,531	287,150	
Fla.	-	-	-	-	0.1	-	0.2	2.3	4.0	36.2	59.5	57.9	35.2	3.5	1.0	0.1	-	-	-	-	-	33.6	33.3	9,124	7,690	
Ala.	*	*	*	0.1	0.1	0.9	0.4	6.7	5.2	35.9	40.3	48.3	47.2	7.9	6.6	0.2	0.2	-	*	-	-	33.6	33.5	466,030	514,594	
Miss.	-	-	-	*	-	*	*	0.3	0.1	6.1	5.0	38.6	53.0	48.9	40.4	6.0	1.5	0.1	*	*	*	34.5	34.4	1,308,203	1,621,769	
Tenn.	-	-	-	*	-	0.1	*	2.2	0.8	29.4	26.2	60.0	68.1	7.9	4.9	0.4	*	*	*	-	-	33.7	33.8	417,274	385,808	
Mo.	-	-	-	-	-	*	*	0.3	0.1	10.3	6.5	36.5	82.1	50.4	11.2	2.5	0.1	*	-	-	-	34.4	34.0	326,044	223,195	
Ark.	-	-	-	-	*	*	*	0.2	0.1	3.2	4.1	37.7	66.8	49.9	28.4	8.6	0.6	0.4	*	*	-	34.6	34.3	1,140,945	1,041,511	
La.	-	-	-	*	*	*	*	0.1	0.1	4.2	6.1	69.0	75.8	26.1	17.7	0.6	0.3	*	*	-	-	34.2	34.1	481,598	521,096	
Okla.	0.8	1.0	4.0	8.2	25.7	33.7	27.4	17.4	18.9	12.9	9.3	8.4	8.8	9.7	4.0	7.6	1.0	1.1	0.1	*	*	31.5	31.4	271,006	187,014	
Tex.	5.0	1.2	14.6	10.7	19.5	30.3	14.7	16.6	14.6	12.5	11.5	9.4	12.0	13.7	3.0	2.9	2.7	1.4	2.2	1.1	0.2	0.2	31.5	31.4	2,774,222	3,121,381
N. M.	0.2	0.1	0.9	0.8	2.0	2.2	1.4	1.5	1.9	1.8	1.2	1.8	2.0	4.9	6.8	7.5	30.8	29.4	48.2	46.3	4.6	3.7	36.1	36.0	140,522	122,279
Ariz.	0.1	*	*	0.1	1.7	0.8	0.8	0.6	4.2	3.1	10.2	4.1	61.5	64.8	15.4	21.5	3.4	2.0	2.5	2.2	0.2	0.8	34.0	34.2	589,125	467,237
Nev.	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	13.5	-	70.3	-	16.0	-	-	-	36.0	-	3,241	-
Calif.	*	-	*	*	0.1	*	0.1	*	0.4	0.3	3.2	1.3	10.9	7.0	72.1	50.1	13.2	41.3	*	*	-	-	34.9	35.3	1,334,246	1,175,682
Other	-	-	-	-	-	-	-	-	0.2	0.3	7.7	9.9	74.4	47.7	16.7	14.3	1.0	25.2	-	2.6	-	-	34.1	34.6	4,637	6,321
U. S.	1.4	0.4	4.2	3.5	6.4	10.1	5.1	5.6	5.6	5.0	10.5	10.2	31.0	38.2	28.9	19.8	5.3	6.1	1.5	1.0	0.1	0.1	33.5	33.4	9,860,230	10,060,188

1/ Data for 1969 season revised, current season preliminary.

2/ Expressed in thirty-seconds of an inch.

* Less than 0.05 percent.

Table 9. Percentage of ginnings reduced in grade, by specified causes, this season and last season, by states 1/

State	Grade reductions							
	Grass		Bark		Other causes		Total reductions	
	1969	1970	1969	1970	1969	1970	1969	1970
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
North Carolina	8.3	11.2	*	*	*	-	8.3	11.2
South Carolina	13.1	16.2	0.6	0.6	0.1	-	13.8	16.8
Georgia	9.2	8.7	0.6	1.7	*	*	9.8	10.4
Florida	9.4	9.1	0.4	0.5	-	0.1	9.8	9.7
Alabama	7.0	9.8	0.1	0.3	*	*	7.1	10.1
Mississippi	8.0	4.7	0.5	8.4	*	0.2	8.5	13.3
Tennessee	11.6	6.0	0.1	2.1	*	0.3	11.7	8.4
Missouri	1.4	1.8	*	0.5	*	0.1	1.4	2.4
Arkansas	3.7	4.2	0.2	1.5	0.1	1.5	4.0	7.2
Louisiana	3.4	4.5	0.7	3.7	*	0.8	4.1	9.0
Oklahoma	3.1	1.2	5.4	2.3	*	0.1	8.5	3.6
Texas	1.3	1.2	12.9	4.4	*	*	14.2	5.6
New Mexico	0.4	0.6	4.1	6.9	*	0.1	4.5	7.6
Arizona	2.5	1.2	4.6	2.8	0.2	0.6	7.3	4.6
Nevada	4.0	-	0.9	-	-	-	4.9	-
California	3.6	2.8	0.5	0.1	0.1	0.1	4.2	3.0
Other	1.0	4.6	-	1.2	-	0.4	1.0	6.2
United States	4.2	3.8	4.3	3.5	0.1	0.3	8.6	7.6

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 10. American Pima cotton ginned in the United States, by grade and staple 1/

Grade	Code	After January 15				Total crop			
		1969	1970	1969	1970	1969	1970	1969	1970
		Bales	Bales	Pct.	Pct.	Bales	Bales	Pct.	Pct.
1	(10)	-	-	-	-	136	-	0.2	-
2	(20)	7	7	0.1	0.4	4,220	2,654	5.5	4.7
3	(30)	33	205	0.7	12.5	19,446	25,203	25.3	45.1
4	(40)	747	229	15.9	14.0	26,270	17,336	34.2	31.0
5	(50)	937	132	19.8	8.1	15,686	5,588	20.4	10.0
6	(60)	904	278	19.2	17.0	5,854	2,396	7.6	4.3
7	(70)	861	283	18.3	17.4	2,328	1,553	3.0	2.8
8	(80)	508	201	10.8	12.3	1,426	589	1.9	1.1
9	(90)	314	113	6.7	6.9	699	305	0.9	0.5
10	(00)	401	186	8.5	11.4	773	284	1.0	0.5
Total		4,712	1,634	100.0	100.0	76,838	55,908	100.0	100.0
Staple									
1-1/4" & shorter	(40)	102	88	2.2	5.4	160	142	0.2	0.3
1-5/16"	(42)	2,102	839	44.6	51.4	4,138	3,469	5.4	6.2
1-3/8"	(44)	2,508	703	53.2	43.0	60,653	39,210	78.9	70.1
1-7/16"	(46)	-	4	-	0.2	11,887	13,087	15.5	23.4
1-1/2" & longer	(48)	-	-	-	-	-	-	-	-
Total		4,712	1,634	100.0	100.0	76,838	55,908	100.0	100.0

1/ Data for current season are preliminary.

Table 11. Percentage distribution of upland cotton by specified grades,
by seasons, 1959-1970 ^{1/}

Grade		Season											
	Code	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
<u>White:</u>		<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>
S. M.	(21)												
and higher		9.1	7.8	11.7	5.2	6.1	3.7	2.1	1.3	1.2	1.1	0.5	0.5
M. +	(30)	2.5	1.3	0.9	0.3	0.3	0.2	0.2	*	*	*	*	*
M.	(31)	30.3	26.0	32.1	23.5	24.7	20.6	18.7	16.5	18.8	16.4	14.4	14.2
S. L. M. +	(40)	4.8	3.4	1.7	1.6	1.7	1.4	1.9	1.1	1.3	1.5	1.7	0.8
S. L. M.	(41)	22.6	22.1	15.7	26.1	27.8	31.1	31.1	28.6	33.7	38.5	38.0	34.0
L. M. +	(50)	2.2	2.0	1.3	2.0	2.4	2.6	2.4	1.9	1.7	2.0	1.7	1.1
L. M.	(51)	7.3	7.1	4.6	8.2	8.5	11.4	11.5	7.8	7.6	11.8	12.6	17.6
and lower													
<u>Light Spotted:</u>													
S. M.	(22)												
and higher		2.2	2.9	3.4	1.5	1.5	0.7	0.5	0.3	0.4	0.2	0.1	*
M.	(32)	8.4	11.6	11.7	11.2	13.2	9.8	11.4	11.2	13.2	9.3	5.1	8.7
S. L. M.	(42)	5.3	8.0	7.7	12.3	8.5	9.7	12.9	15.6	11.4	12.2	13.9	13.9
L. M.	(52)	2.0	1.6	2.3	3.3	1.9	2.9	2.5	4.5	3.3	2.9	5.5	5.0
<u>Spotted:</u>		1.2	2.5	3.2	2.8	1.6	3.5	2.4	8.7	5.2	2.9	3.7	3.1
Other Colored <u>2/</u>		2.1	3.7	3.7	2.0	1.8	2.4	2.4	2.5	2.2	1.2	2.8	1.1
Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

^{1/} Data for 1970 are preliminary.

^{2/} Includes Below Grade.

* Less than 0.05 percent.

Table 12. Percentage distribution of upland cotton by specified staples,
by seasons, 1959-1970 ^{1/}

Staple	Code	Season											
		1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
		Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
13/16"	(26)												
and shorter		0.1	*	*	*	0.1	0.3	0.1	0.1	*	*	0.1	*
7/8"	(28)	1.4	0.2	0.3	0.4	1.5	2.5	0.7	1.0	0.6	0.1	1.3	0.4
29/32"	(29)	4.4	2.2	3.9	4.9	7.8	5.4	6.3	6.8	4.6	1.1	4.2	3.5
15/16"	(30)	10.1	11.7	15.2	15.6	12.9	10.8	15.5	14.5	10.6	7.0	6.4	10.1
31/32"	(31)	7.9	9.7	7.7	5.1	3.2	3.8	4.3	4.6	7.3	6.9	5.1	5.6
1"	(32)	7.2	7.2	6.7	5.3	4.8	5.1	4.7	3.8	5.3	7.2	5.6	5.0
1-1/32"	(33)	19.2	21.6	14.8	19.4	23.0	23.8	19.2	13.5	9.7	8.5	10.5	10.2
1-1/16"	(34)	41.7	37.6	36.8	34.6	37.1	34.1	34.0	34.8	28.7	26.0	31.0	38.2
1-3/32"	(35)	4.7	6.3	11.1	11.9	7.3	11.3	12.3	16.8	23.0	26.4	28.9	19.8
1-1/8"	(36)	3.3	3.5	3.5	2.8	2.3	2.9	2.9	4.1	10.2	16.8	6.9	7.2
and longer													
Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

^{1/} Data for 1970 are preliminary.

* Less than 0.05 percent.

Table 13. Cotton: Grade index, by states, United States, 5-year averages, 1938-67 and by seasons, 1966-1970 ^{1/}

State	5-year averages						1966	1967	1968	1969	1970*
	1938-42	1943-47	1948-52	1953-57	1958-62	1963-67					
Virginia	92.4	91.7	92.0	92.2	92.9	-	89.9	-	-	-	-
N. Carolina	95.8	91.3	93.1	91.7	94.4	91.7	91.6	91.2	91.4	88.5	88.4
S. Carolina	96.8	92.9	93.5	93.9	95.6	92.4	91.7	92.2	91.3	87.3	87.6
Georgia	96.8	95.2	95.4	95.1	95.8	91.0	89.8	91.9	91.1	86.1	86.7
Florida	95.2	95.7	95.7	95.2	92.5	90.0	91.0	90.5	91.2	89.0	86.0
Alabama	97.0	96.9	96.1	95.7	96.3	92.7	92.2	89.5	93.0	91.1	90.1
Mississippi	97.2	96.2	96.5	95.2	95.5	94.4	94.0	92.8	92.0	92.4	89.6
Tennessee	96.2	93.9	94.8	95.9	96.5	94.2	93.2	91.0	93.9	93.1	91.6
Missouri	93.2	90.1	91.4	93.6	94.1	92.4	92.5	90.7	94.0	93.2	91.4
Arkansas	96.4	93.9	93.8	94.6	94.2	92.2	91.0	90.1	92.7	92.5	90.1
Louisiana	96.6	96.2	97.0	94.4	94.9	94.4	94.3	94.5	93.7	94.7	91.6
Oklahoma	93.7	90.6	93.8	90.7	92.3	90.7	89.7	92.9	90.4	91.3	91.6
Texas	95.5	94.3	94.9	93.0	94.8	92.4	90.1	93.0	92.2	87.0	91.3
New Mexico	98.3	97.6	97.4	97.1	98.7	96.7	96.6	96.1	96.2	93.7	95.3
Arizona	97.3	93.4	96.3	96.2	96.5	92.7	91.9	93.6	95.3	93.4	96.0
California	98.3	96.9	94.8	94.3	97.8	94.1	94.7	93.6	92.4	94.6	96.3
U. S.	96.2	94.6	94.9	94.3	95.5	93.1	92.0	92.8	92.6	91.0	91.5

^{1/} Computed by weighting the quantity in each grade by the 1937-39 average price per pound for such grade of 15/16" staple. Converted to an index on basis Middling White equals 100. For 1958 and subsequent years, constants for Plus, Light Spotted and Light Gray set at mid-points between full grade weights.

* Preliminary.

Table 14. Cotton: Average staple length in thirty-seconds inches, by states, United States 5-year averages, 1938-67 and by seasons, 1966-1970 ^{1/}

State	5-year averages						1966	1967	1968	1969	1970*
	1938-42	1943-47	1948-52	1953-57	1958-62	1963-67					
Virginia	32.3	32.5	33.2	33.0	33.7	-	33.8	-	-	-	-
N. Carolina	32.6	32.6	33.0	32.8	33.3	33.6	33.8	34.3	33.8	34.2	33.9
S. Carolina	32.5	32.8	32.8	32.9	33.4	33.8	34.0	34.6	34.5	34.5	34.1
Georgia	31.1	32.0	32.6	32.7	33.1	33.2	33.2	33.7	33.9	33.5	33.3
Florida	31.1	32.7	33.0	32.9	32.8	33.0	32.9	33.5	33.9	33.6	33.3
Alabama	30.7	31.8	32.8	32.7	33.3	33.2	33.2	33.3	33.7	33.6	33.5
Mississippi	34.2	33.7	34.0	33.7	33.8	34.1	34.2	34.5	34.6	34.5	34.4
Tennessee	31.9	32.5	33.1	33.1	33.6	33.8	34.0	34.1	33.8	33.7	33.8
Missouri	32.7	33.2	33.5	33.5	33.8	34.0	34.6	34.4	34.7	34.4	34.0
Arkansas	32.7	32.7	33.2	33.3	33.8	34.1	34.5	34.4	34.6	34.6	34.3
Louisiana	32.8	32.9	33.8	33.5	33.6	33.8	33.8	34.0	34.3	34.2	34.1
Oklahoma	29.8	29.0	29.1	29.5	30.8	30.5	30.8	31.0	32.1	31.5	31.4
Texas	29.7	29.7	30.0	30.6	31.2	30.8	30.8	31.7	32.2	31.5	31.4
New Mexico	34.2	34.4	34.2	34.6	35.2	35.8	36.2	36.3	36.2	36.1	36.0
Arizona	32.9	32.8	33.2	33.5	33.7	33.6	33.6	34.0	34.7	34.0	34.2
California	34.4	33.7	33.8	34.1	34.1	34.5	34.4	35.1	35.7	34.9	35.3
U. S.	31.8	32.0	32.3	32.5	32.8	32.9	33.0	33.4	33.9	33.5	33.4

^{1/} Averages calculated on numerical equivalents of the staple length designations; for example, 29/32" = 29.

* Preliminary.

Table 15. Grade indexes and average staples of carry-over, crop and supply of upland cotton, 1954-1970

Year	Grade indexes <u>1/</u>			Average staples <u>2/</u>		
	Carry-over	Crop	Supply	Carry-over	Crop	Supply
1954	95.4	95.6	95.5	32.3	32.2	32.3
1955	95.9	93.2	94.3	32.2	32.6	32.4
1956	94.0	96.0	95.0	32.2	32.7	32.4
1957	91.9	91.7	91.8	32.0	32.6	32.3
1958	91.1	96.7	94.3	31.7	32.8	32.3
1959	95.0	95.8	95.5	31.9	32.8	32.5
1960	97.9	95.4	96.2	33.0	32.9	32.9
1961	97.6	95.7	96.3	33.3	32.9	33.0
1962	96.9	93.9	94.9	33.2	32.8	33.0
1963	95.5	94.6	94.9	32.7	32.7	32.7
1964	95.3	93.2	94.1	32.3	32.8	32.6
1965	94.8	93.0	93.9	32.4	32.8	32.6
1966	92.9	92.0	92.6	32.1	33.0	32.4
1967	93.1	92.8	93.0	32.1	33.4	32.6
1968	92.6	92.6	92.6	32.5	33.9	33.4
1969	93.2	91.0	91.9	33.8	33.5	33.6
1970*	93.4	91.5	92.1	34.0	33.4	33.6

1/ Middling White equals 100. For 1958 and subsequent years, constants for Plus, Light Spotted and Light Gray set at mid-points between full grade weights.

2/ Expressed in thirty-seconds of an inch.

* Preliminary.

